

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	15	09/743795	US-PGPUB; USPAT	OR	ON	2007/03/11 15:59
S4	4	"5946443"	US-PGPUB; USPAT	OR	ON	2007/03/11 16:00
S3	2	"20020105869"	US-PGPUB; USPAT	OR	ON	2007/03/11 16:00
S5	28	"4802152"	US-PGPUB; USPAT	OR	ON	2007/03/11 16:01
S6	1	"20060098558"	US-PGPUB; USPAT	OR	ON	2007/03/11 16:02
S8	30	"5655050" "5732066" "6236631" "6378100"	US-PGPUB; USPAT	OR	ON	2007/03/11 16:06
S12	69	((YUICHI) near2 (HASHIMOTO)).INV.	US-PGPUB; USPAT	OR	ON	2007/03/12 10:08
S11	170	((YUJI) near2 (TAKAGI)).INV.	US-PGPUB; USPAT	OR	ON	2007/03/12 10:08
S9	57	((TOYOJI) near2 (GUSHIMA)).INV.	US-PGPUB; USPAT	OR	ON	2007/03/12 10:08
S13	333	S9 or S10 or S11 or S12	US-PGPUB; USPAT	OR	ON	2007/03/12 10:09
S10	61	((MAKOTO) near2 (USUI)).INV.	US-PGPUB; USPAT	OR	ON	2007/03/12 10:09
S15	130	S13 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/03/12 10:10
S16	64	S13 and block and frame	US-PGPUB; USPAT	OR	ON	2007/03/12 10:12
S14	12	S13 and playback	US-PGPUB; USPAT	OR	ON	2007/03/12 10:12
S18	2	S13 and ((block near2 address) same frame)	US-PGPUB; USPAT	OR	ON	2007/03/12 10:13
S17	38	S13 and (block near2 address)	US-PGPUB; USPAT	OR	ON	2007/03/12 10:13
S19	30	S13 and (block near2 address) and synchroniz\$6	US-PGPUB; USPAT	OR	ON	2007/03/12 10:14
S20	23	S13 and (block near2 address) same synchroniz\$6	US-PGPUB; USPAT	OR	ON	2007/03/12 10:15
S23	0	S13 and (synchroniz\$6 near2 mean)	US-PGPUB; USPAT	OR	ON	2007/03/12 10:16
S22	0	S13 and (synchroniz\$6 near2 means)	US-PGPUB; USPAT	OR	ON	2007/03/12 10:16
S21	657	S13 (synchroniz\$6 near2 means)	US-PGPUB; USPAT	OR	ON	2007/03/12 10:16
S24	0	S13 and (signal near2 reading near2 mean)	US-PGPUB; USPAT	OR	ON	2007/03/12 15:18

## EAST Search History

S25	39075	(predict\$4 or predetermin\$4 or calculate or guess or expect\$4) near2 ((recording near2 (position or location)) or frame or (frame near2 (position or record\$4 or location)))	US-PGPUB; USPAT	OR	ON	2007/03/12 15:21
S29	23	S28 not S27	US-PGPUB; USPAT	OR	ON	2007/03/12 15:25
S28	37	(predict\$4 or predetermin\$4) near5 (recording near2 (position or location)) near5 (frame or (frame near2 (position or record\$4 or location)))	US-PGPUB; USPAT	OR	ON	2007/03/12 15:25
S32	16891	frame near2 synchroniz\$6	US-PGPUB; USPAT	OR	ON	2007/03/12 15:27
S30	44809	"369".clas.	US-PGPUB; USPAT	OR	ON	2007/03/12 15:27
S26	35173	(predict\$4 or predetermin\$4) near2 ((recording near2 (position or location)) or frame or (frame near2 (position or record\$4 or location)))	US-PGPUB; USPAT	OR	ON	2007/03/12 15:27
S34	31057	block near2 address	US-PGPUB; USPAT	OR	ON	2007/03/12 15:28
S36	3	10/203849	US-PGPUB; USPAT	OR	ON	2007/03/12 15:29
S27	14	(predict\$4 or predetermin\$4) near2 (recording near2 (position or location)) near2 (frame or (frame near2 (position or record\$4 or location)))	US-PGPUB; USPAT	OR	ON	2007/03/12 15:41
S40	38	S39 not S38	US-PGPUB; USPAT	OR	ON	2007/03/12 15:47
S35	35	S26 and S30 and S32 and S34	US-PGPUB; USPAT	OR	ON	2007/03/12 15:50
S33	142	S26 and S30 and S32	US-PGPUB; USPAT	OR	ON	2007/03/12 15:50
S31	951	S26 and S30	US-PGPUB; USPAT	OR	ON	2007/03/12 15:50
S43	16	S37 and S30 and S32 and S34	US-PGPUB; USPAT	OR	ON	2007/03/12 15:51
S44	23	S42 not S43	US-PGPUB; USPAT	OR	ON	2007/03/12 16:17
S57	1	wo-2052551-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/12 16:27
S38	14	(predict\$4 or predetermin\$4) near2 (recording near2 (position or location)) near5 (address near2 information)	US-PGPUB; USPAT	OR	ON	2007/03/12 17:06
S59	12	(determine or estimate) near2 (recording near2 (position or location)) near5 (address)	US-PGPUB; USPAT	OR	ON	2007/03/12 17:07

## EAST Search History

S39	51	(predict\$4 or predetermin\$4) near2 (recording near2 (position or location)) near5 (address)	US-PGPUB; USPAT	OR	ON	2007/03/12 17:07
S61	149	S60 and S30	US-PGPUB; USPAT	OR	ON	2007/03/12 17:09
S60	611	(determine or estimate) near2 (recording near2 (position or location))	US-PGPUB; USPAT	OR	ON	2007/03/12 17:09
S42	39	S37 and S30 and S32	US-PGPUB; USPAT	OR	ON	2007/03/12 17:09
S41	577	S37 and S30	US-PGPUB; USPAT	OR	ON	2007/03/12 17:09
S37	2646	(predict\$4 or predetermin\$4) near2 (recording near2 (position or location))	US-PGPUB; USPAT	OR	ON	2007/03/12 17:09
S64	21	S60 and S32	US-PGPUB; USPAT	OR	ON	2007/03/12 17:21
S62	15	S60 and S30 and S32	US-PGPUB; USPAT	OR	ON	2007/03/12 17:21
S58	4	(determine or estimate) near2 (recording near2 (position or location)) near5 (address near2 information)	US-PGPUB; USPAT	OR	ON	2007/03/12 17:22
S69	334	(recording near2 (position or location)) near2 frame	US-PGPUB; USPAT	OR	ON	2007/03/12 17:42
S67	26	(recording near2 (position or location)) near10 frame near10 ((address near2 information) or (block near2 address) or (block near2 address near2 information) or (block near2 information))	US-PGPUB; USPAT	OR	ON	2007/03/12 17:42
S66	14	(recording near2 (position or location)) near5 frame near5 ((address near2 information) or (block near2 address) or (block near2 address near2 information) or (block near2 information))	US-PGPUB; USPAT	OR	ON	2007/03/12 17:42
S71	13	S69 and S70 and S32	US-PGPUB; USPAT	OR	ON	2007/03/12 17:43
S70	67401	(block near2 address) or (block near2 address near2 information) or (block near2 information)	US-PGPUB; USPAT	OR	ON	2007/03/12 17:43
S74	263	369/53.35.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/13 08:10
S73	68	369/47.34.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/13 08:10
S72	16904	frame near2 synchroniz\$6	US-PGPUB; USPAT	OR	ON	2007/03/13 08:10
S75	38	S72 and (S73 or S74)	US-PGPUB; USPAT	OR	ON	2007/03/13 08:50
S79	15	(recording near2 (position or location)) with frame with (information near2 block)	US-PGPUB; USPAT	OR	ON	2007/03/13 09:14
S78	4	(recording near2 (position or location)) with frame with (address near2 block)	US-PGPUB; USPAT	OR	ON	2007/03/13 09:14

## EAST Search History

S77	2	(recording near2 (position or location)) near10 frame near10 (address near2 block)	US-PGPUB; USPAT	OR	ON	2007/03/13 09:14
S81	3	(address near2 block) near10 frame near10 (recording near2 (position or location))	US-PGPUB; USPAT	OR	ON	2007/03/13 09:18
S80	1	(address near2 block) near5 frame near5 (recording near2 (position or location))	US-PGPUB; USPAT	OR	ON	2007/03/13 09:18
S76	66	(recording near2 (position or location)) near10 (address near2 block)	US-PGPUB; USPAT	OR	ON	2007/03/13 09:18
S83	344	369/53.34.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/13 13:13
S82	68	369/47.34.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/13 13:13
S7	3	"6314078"	US-PGPUB; USPAT	OR	ON	2007/03/13 13:13
S85	193	369/30.23.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/13 13:14
S84	424	369/47.28.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/13 13:14
S86	3184	ATIP or (absolute near2 time near2 (pregroove or (pre near2 groove))) or ((wobbl\$3 or groove) near2 address) or ADIP or (address near2 (pregroove or (pre near2 groove)))	US-PGPUB; USPAT	OR	ON	2007/03/13 13:19
S88	55	S82 not S87	US-PGPUB; USPAT	OR	ON	2007/03/13 13:27
S91	16	S86 and S85	US-PGPUB; USPAT	OR	ON	2007/03/13 13:37
S87	13	S86 and S82	US-PGPUB; USPAT	OR	ON	2007/03/13 13:37
S93	16904	frame near2 synchroniz\$6	US-PGPUB; USPAT	OR	ON	2007/03/13 13:42
S92	357862	synchroniz\$6	US-PGPUB; USPAT	OR	ON	2007/03/13 13:42
S90	104	S86 and S84	US-PGPUB; USPAT	OR	ON	2007/03/13 13:42
S89	74	S86 and S83	US-PGPUB; USPAT	OR	ON	2007/03/13 13:42
S94	24	S86 and S84 and S93	US-PGPUB; USPAT	OR	ON	2007/03/13 13:46
S95	12	S86 and S83 and S93	US-PGPUB; USPAT	OR	ON	2007/03/13 13:49
S98	128329	((correct\$3 or modif\$5 or rectify\$3 or adjust\$4) near2 error) or (((correct\$3 or modif\$5 or rectify\$3 or adjust\$4) near2 error) near5 (synchroniz\$6 near2 code))	US-PGPUB; USPAT	OR	ON	2007/03/13 13:56
S102	4	S101 same S98 same S97	US-PGPUB; USPAT	OR	ON	2007/03/13 13:58

## EAST Search History

S99	3	S96 same S98 same S97	US-PGPUB; USPAT	OR	ON	2007/03/13 13:58
S96	751	demodulat\$3 near2 (frame near2 (data or signal))	US-PGPUB; USPAT	OR	ON	2007/03/13 13:58
S101	1346	demodulat\$3 near2 frame	US-PGPUB; USPAT	OR	ON	2007/03/13 14:02
S103	1346	(demodulat\$3 near2 frame) or (demodulat\$3 near2 frame near2 (data or information or signal))	US-PGPUB; USPAT	OR	ON	2007/03/13 14:03
S100	70	S96 same S98	US-PGPUB; USPAT	OR	ON	2007/03/13 14:04
S97	17813	((synchroniz\$5 or frame) near2 code) or (frame near2 synchroniz\$5 near2 code)	US-PGPUB; USPAT	OR	ON	2007/03/13 14:05
S105	38285	((frame near2 synchroniz\$6 near2 code) or (frame near2 synchroniz\$6) or (synchroniz\$5 near2 code)) or (detect\$4 near2 (synchroniz\$6 or (frame near2 synchroniz\$6 near2 code) or (frame near2 synchroniz\$6) or (synchroniz\$5 near2 code)))	US-PGPUB; USPAT	OR	ON	2007/03/13 14:07
S104	126	S103 same S98	US-PGPUB; USPAT	OR	ON	2007/03/13 14:07
S107	73	(S103 same S98) and S105	US-PGPUB; USPAT	OR	ON	2007/03/13 14:13
S106	29	S103 same S98 same S105	US-PGPUB; USPAT	OR	ON	2007/03/13 14:13
S109	5	("20020099988" "6538982" "6674330" "6687204" "6947364").PN.	US-PGPUB; USPAT	OR	ON	2007/03/13 14:19
S110	77	((HIROSHI) near2 (HIRAYAMA)).INV.	US-PGPUB; USPAT	OR	ON	2007/03/13 14:21
S111	7	S110 and S93	US-PGPUB; USPAT	OR	ON	2007/03/13 14:22
S108	44	S107 not S106	US-PGPUB; USPAT	OR	ON	2007/03/13 14:22
S112	62	(LPP or (land adj (prepit or (pre adj pit)))) near10 wobble near10 synch\$11	US-PGPUB; USPAT	OR	ON	2007/03/28 15:31
S113	53	S112 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/03/28 15:32
S116	2	"20030002406"	US-PGPUB; USPAT	OR	ON	2007/03/28 16:50
S115	0	"2003002406"	US-PGPUB; USPAT	OR	ON	2007/03/28 16:50
S114	38	"2003002406" "5589995" "5881037" "6122764"	US-PGPUB; USPAT	OR	ON	2007/03/28 16:50
S1	1	10/702618	US-PGPUB; USPAT	OR	ON	2007/03/29 10:14
S122	4421	synchron\$10 adj code	US-PGPUB; USPAT	OR	ON	2007/03/29 10:15

## EAST Search History

S121	20902	frame near2 synchron\$10	US-PGPUB; USPAT	OR	ON	2007/03/29 10:15
S123	12580	block adj address	US-PGPUB; USPAT	OR	ON	2007/03/29 10:16
S125	1679	(block same frame) and S118	US-PGPUB; USPAT	OR	ON	2007/03/29 10:19
S124	18	S121 and S122 and S123 and S118	US-PGPUB; USPAT	OR	ON	2007/03/29 10:19
S126	69	(block same frame) and S123 and S118	US-PGPUB; USPAT	OR	ON	2007/03/29 10:20
S129	15	S128 not S127	US-PGPUB; USPAT	OR	ON	2007/03/29 10:21
S128	19	(block same frame) and S122 and S121 and S118	US-PGPUB; USPAT	OR	ON	2007/03/29 10:21
S127	12	(block same frame) and S123 and S121 and S118	US-PGPUB; USPAT	OR	ON	2007/03/29 10:21
S130	15	S129 not S124	US-PGPUB; USPAT	OR	ON	2007/03/29 10:22
S131	8	("20030174625"   "20040233816"   "5276667"   "5754522"   "5850382"   "5881037"   "5987066"   "7054398").PN. OR ("7158464").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 10:27
S144	1	2002-537881.NRAN.	DERWENT	OR	ON	2007/03/29 10:39
S143	1	wo-200252551-\$.did.	DERWENT	OR	ON	2007/03/29 10:55
S146	18	"5881037"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/29 10:56
S148	3	"7158464"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 12:35
S147	25	("4142209"   "4323931"   "4501000"   "4703494"   "4728929"   "5151699"   "5276674"   "5333126"   "5373497").PN. OR ("5881037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 12:35
S149	63	(LPP or (land adj (prepit or (pre adj pit)))) near10 wobble near10 synch\$11	US-PGPUB; USPAT	OR	ON	2007/03/29 14:08
S153	40	predict near5 record\$4 near5 position	US-PGPUB; USPAT	OR	ON	2007/03/29 14:16
S155	0	predict\$4 near5 (front or start or begin\$4) near5 ((ECC or (error adj correct\$4 adj code)) adj block)	US-PGPUB; USPAT	OR	ON	2007/03/29 14:17
S158	333	determin\$4 near5 ((ECC or (error adj correct\$4 adj code)) adj block)	US-PGPUB; USPAT	OR	ON	2007/03/29 14:18
S154	2	predict\$4 near5 ((ECC or (error adj correct\$4 adj code)) adj block)	US-PGPUB; USPAT	OR	ON	2007/03/29 14:18
S157	18	determin\$4 near5 (front or start or begin\$4) near5 ((ECC or (error adj correct\$4 adj code)) adj block)	US-PGPUB; USPAT	OR	ON	2007/03/29 14:20

## EAST Search History

S161	1008224	frame	US-PGPUB; USPAT	OR	ON	2007/03/29 14:35
S159	360186	synchroniz\$8	US-PGPUB; USPAT	OR	ON	2007/03/29 14:35
S118	35486	matsushita.as.	US-PGPUB; USPAT	OR	ON	2007/03/29 14:35
S164	64	S121 and S118 and S122	US-PGPUB; USPAT	OR	ON	2007/03/29 14:36
S163	470	S121 and S118	US-PGPUB; USPAT	OR	ON	2007/03/29 14:36
S162	1875	S159 and S161 and S118	US-PGPUB; USPAT	OR	ON	2007/03/29 14:36
S166	4	S121 and S118 and S122 and (buffer adj memory)	US-PGPUB; USPAT	OR	ON	2007/03/29 14:37
S165	53	S121 and S118 and S122 and memory	US-PGPUB; USPAT	OR	ON	2007/03/29 14:38